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ANNUAL REPORT

of

THE MEDICAL OFFICER OF HEALTH

with that of

THE SANITARY INSPECTOR,

1939.

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LONG EATON URBAN DISTRICT COUNCIL.

ANNUAL REPORT FOR THE YEAR 1939.

In view of the increasing pressure of work in the Public Health Department of Local Authorities, and the need for strict economy, the Annual Report for 1939 is issued as an Interim Report as suggested by the Minister of Health. A similar procedure was adopted during the last War, for the years 1916-1918. It is interesting to note that this was in accordance with instructions received from the Local Government Board on the 28th December, 1917, warning all Public Officers against waste of time and printing, paper, etc.

There does not appear to be anything of an urgent nature that calls for special comment.

Measles was added to the list of Notifiable Diseases during the year.

The Birth and Death rates are based on the figures of population supplied by the Registrar General.

After the conclusion of hostilities, we hope to review the records and present a complete and combined report for the War period.

JOHN MOIR.
Medical Officer of Health.

JOHN TOMLINSON.
Sanitary Inspector and Cleansing Superintendent.

Public Health Department,
The Hall,
Long Eaton.

23 DEC. 1940

LONG EATON URBAN DISTRICT COUNCIL.

PUBLIC HEALTH COMMITTEE.

Mr. Councillor G. E. Stevenson (Chairman)

The Chairman of the Council,	Mr. Councillor L. T. Davys, J.P.
The Vice-Chairman of the Council,	Mr. Councillor Morton Smith,
Mr. Coun. H.L. Burton,	Mr. Coun. C.W. Smith,
" " W.E. Crisp,	" " R.Stilley,
" " O.Flint,	" " A.E.Wigginton,
" " A.H.Staples,	

Representatives of the Shardlow Joint Hospital Board:

Mr. Coun. J.R.Davis,	Mr. Coun. J.Drew,
" " W.Davis,	" " H.L.Burton.

PUBLIC HEALTH STAFF.

Medical Officer of Health:

a b JOHN MOIR, M.A., M.B., Ch.B.
Mem.Royal San.Inst. Fellow Royal Inst.Public Health.

Chief Sanitary Inspector and Cleansing Superintendent:

b. JOHN TOMLINSON, F.S.I.A., M.I.P.C.

Cert. Insp. of Meat and Foods.

Sanitary Inspector:

b W. BOWLES, M.S.I.A.
Cert. Insp. of Meat and Foods.

Clerks:
G.A.Smith, C. White.

Meadow Lane Smallpox Hospital: Matron: Mrs. E.E.Jennings.

a Part-time Appointment: b Salaries contributed to under the Public Health Act.

STATISTICAL SUMMARY AND SOCIAL CONDITIONS FOR 1939.

Area - Land 3,425.955 acres) Water 131.045 acres)	3557 acres.
Elevation of District	89-147 O.D.
Population (Census, 1931)	22,340
Population, 1939 (Registrar General)	26,200
Density of Population per acre	7.34
Number of Inhabited Houses, 1939	7,681
Rateable Value, Year ended 31st March, 1940	£162,869
Sum represented by a Penny Rate	£620
Rates levied - General.	12/3 in the £

SOCIAL CONDITIONS.

Births (Legitimate 181 M. 195 F. = 376 (Illegitimate 9 M. 8 F. = 17		393
Birth Rate		15.07
Deaths 143 M., 171 F.,		314
Death Rate		11.99
Number of women dying in, or in consequence of, childbirth	From Sepsis	-
	From other causes	4
Deaths of Infants under 1 year of age, per 1,000 births	Total 20. Rate	50.9

INFANTILE MORTALITY DURING THE YEAR, 1939.

Causes of Death.	Und. 1 wk.	Weeks. 1-2	2-3	3-4	Total under 4 wks.	Months. 1-3	3-6	6-9	9-12	Total deaths under 1 yr.
Prematurity	6				6					6
Atelectasis of Lungs.	1				1					1
Castro Enteritis						1	1			2
Infantile Convulsions						1				1
Marasmus						1				1
Broncho Pneumonia				1	1		1	2		4
Congenital malformation of heart.							1			1
Infanticide	1				1					1
Intercranial haemorrhage	1				1					1
Hydrcephalus - congenital						1				1
Enteritis		1			1					1
Totals.	9	1	-	1	11	4	3	2	-	20

TRANSFERABLE DEATHS, 1939.

	M.	F.	Total.
Shardlow Public Assistance Hospital	14	16	30
Nottingham General Hospital	16	14	30
Nottingham Children's Hospital	3	4	7
Derbyshire Royal Infirmary	8	-	8
County Mental Hospital, Mickleover	1	1	2
Derbyshire Sanatorium	-	1	1
Draycott Isolation Hospital	2	1	3
Derby Women's Hospital	1	1	2
Nightingale Nursing Home - Derby	-	-	-
Hospital for Sick Children, Derby	2	-	2
Nottingham & Notts. Nursing Home	1	-	1
Various Towns	2	4	6
Totals.	50	42	92

NOTIFIABLE DISEASES (OTHER THAN TUBERCULOSIS) DURING THE YEAR 1939.

Notifiable Disease.	Number of Cases notified. At all ages.	At all ages - years. Udr 1.	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 up'd.	Cases admtd. to Hosp.	Total Deaths.
Small-pox	-														
Scarlet Fever	66	1	-	4	3	6	26	5	10	8	1	2	-	63	1
Diphtheria	22	-	-	1	1	-	8	4	2	2	3	1	-	21	1
Enteric Fever inc. Paratyphoid.	1									1				1	
Puerperal Pyrexia	4									3	1				
Pneumonia	44	3	2	1	5	-	3	3	5	4	5	10	3		
Erysipelas	6										1	3	2		
Dysentery	1											1			1
Encephalitis Lethargica															
Anterior Poliomyelitis															
Ophthalmia Neonatorum															
Cerebro Spinal F.															
Other Diseases notifiable locally:-															
Chickenpox.	45	2	3	2	1	4	22	5	6						
Whooping-Cough	141	11	17	16	28	18	45	4	2						
Measles	5			3			2								
Totals	335	17	22	27	38	28	106	21	25	18	11	17	5	85	3

TUBERCULOSIS.

Number of Cases on Register, January, 1939			175
" " notified during 1939			30
" " removed from Register	(Reocovered	5	18
	(Deaths	9	
	(Left District	4	
" " on Register, December 31st, 1939.			187

Age Periods.	New Cases.				Deaths.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 year								
1 and und. 5			2					
5 " 10	1		2					
10 " 15			1			1		
15 " 20	1	5				2		
20 " 25	1	1		1		3		
25 " 35	4	4		1		2		
35 " 45	2	1		1				
45 " 55	1							
55 " 65	1	1			1			
65 and upwd.								
Totals.	11	12	5	3	1	8		

Eight Pulmonary cases received Sanatorium treatment in the Derbyshire Sanatorium, and one in the Penmore Pavilion.

One non-pulmonary case also received treatment at the Bretby Orthopaedic Hospital

74 Specimens of Sputem were submitted to the County Laboratory for Bacteriological Examination. 9 results proved positive and 65 negative.

LABORATORY WORK.

The total number of specimens examined at the County Laboratory is given below:-

Disease.	Positive.	Negative.	Total.
Enterica:-			
B.Typhosus and B.Para-typhosus A & B.	2	7	9
B.Ent.Gaertner, Dysentery, etc.,	1	6	7
Diphtheria	17	238	255
Phthisis	9	65	74
+ Water	7	37	44
Milk for Tubercle Bacilli.Inoculation Test:- Ministry of Agriculture & Fisheries.	-	4	4
Routine Samples	4	67	71
Milk for Bacterial Count	-	1	1
Milk for Methylene Blue Reduction Test	37	34	71
Milk for Bacillus Coli.	46	25	71
Miscellaneous	4	25	29
Total.	127	509	636

+ Pos. = Unsatisfactory. Neg. = Satisfactory.

WATER SUPPLY.

Your Surveyor and Engineer has kindly supplied the following information:relating to Water Supply, Sewage Disposal and Rain Fall:-

Gallons pumped at Stanton-by-Bridge Pumping Station, Jan. 1st to December 31st. 1939,	109,235,200
Gallons obtained from Nottingham Corporation	472,030
Supplied from the Derwent Valley Water Board, Jan. 1st to December 31st. 1939,	118,939,880
Total for the District, 1939,	228,647,110.

The mains throughout the Town have been extended where building operations have taken place, and the water supply has been sufficient for all purposes.

RAIN FALL.

	1935.	1936.	1937.	1938.	1939.
Stanton-by-Bridge Pumping Station	29.35	26.72	28.49	24.37	27.69
Town Hall, Long Eaton.	26.96	24.42	24.44	21.67	27.96

HOUSING.

No. of New Houses erected during the year.

1. By the Local Authority	Nil.
2. By other Local Authorities	Nil.
3. By other bodies or persons	191.

1. Inspection of Dwelling-houses during the year.

(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	389
(b) Number of inspections made for the purpose	1119
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932.	56
(b) Number of inspections made for the purpose	148
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation.	Nil.
(4) Number of dwelling-house (exclusive of those re-referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation.	56

2. Remedy of Defects during the Year without Service of Formal Notices.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers.	45

3. Action under Statutory Powers during the Year.

(a) Proceedings under Sections 9, 10, and 16 of the Housing Act, 1936:-

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	3
(2) Number of dwelling-houses which were rendered fit after service of formal notices:-	
(a) By Owners	0
(b) By Local Authorities in default of Owners.	3

(B) Proceedings under Public Health Acts:-

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied. 7

(2) Number of dwelling-houses in which defects were remedied after service of formal notices:-

(a) By Owners 7

(b) By Local Authority in default of Owners 0

(C) Proceedings under Sections 11 and 13 of the Housing Act, 1936:-

(1) Number of dwelling houses in respect of which demolition orders were made -

(2) Number of dwelling-houses demolished in pursuance of Demolition Orders -

(3) Number of houses demolished in aticipation of formal procedure under the Housing Act, 1 -

(D) Proceedings under Section 12 of the Housing Act, 1936:-

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made:- -

(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit -

(3) Number of houses closed in anticipation of formal procedure under the Housing Acts 1

R E P O R T

o f

THE SANITARY INSPECTOR,

for

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MEADOW LANE ISOLATION HOSPITAL,(SMALLPOX).

No cases were admitted during the year.

FOOD AND DRUGS (ADULTERATION) ACT, 1928.

The administration of the above Act is carried out by the Derbyshire County Council.

Mr.R.W.Sutton, F.I.C.,County Analyst, has kindly supplied the following information:-

The number of samples taken under the Food & Drugs (Adulteration) Act in the Long Eaton Urban District during 1939 was 94, and included 49 samples of milk.
Four samples of Milk were reported against, three being slightly deficient in fat and one sample containing a small amount of extraneous water. No proceedings were taken,but the vendors were cautioned. All the remaining samples were satisfactory.

COWSHEDS.

Cowkeepers registered	17
Cowsheds	38
Inspections	167
Informal Notices	31
Contraventions remddied and improvements, etc., effected:-	
Cowsheds re-conditioned	2
Yards filled up and paved	1
Limewashing and cleansing	38
Removal of Manure	3
Lighting and Ventilation improved	2

MILK (SPECIAL DESIGNATIONS) ORDER,1936.

The following annual Licences were granted under the Order:-
Description of Licences:-

Dealer's Licence to sell milk as "Accredited"	1
" " " "Tuberculin Tested"	5
" " " "Pasteurised" -	
(a) Pasteurising Establishments	2
(b) + Shops and Dealers	1
+ For 10 shops belonging to one dealer	
Supplementary Licence to sell milk as "Accredited"	1

THE BACTERIOLOGICAL EXAMINATION OF MILK.

Of the 72 samples taken for the presence of Tubercle Bacilli, by animal inoculation, six proved positive. Five of these samples were produced outside the Urban District and one within the district. In one instance the guinea pig died too soon for the result to be obtained. The County Medical Officers of Health concerned were notified and as a result 6 cows were found to be affected with Tuberculosis, and were slaughtered under the Tuberculosis Order, 1937.

In one instance where a positive Tubercle sample was obtained cows affected with tuberculosis were not discovered.

The following table shows the results for Methylene Blue and B.Coli examinations:-

Milk produced in Long Eaton.

Class of Milk.	Satisfactory on both Tests.	Not Satisfactory on both Tests.	Not Satisfactory on Methylene B. Test.	Not Satisfactory on Coliform Test.	Total.
Untreated	2	10	1	2	15
Accredited	2	5	1	2	10

Milk produced outside U.D.

Untreated	6	9	6	5	26
Accredited	6	5	2	7	20

MEAT AND OTHER FOODS.

Slaughterhouses. The number licenced for a period of three years from the 1st January 1939, is eight.

The following licences were granted under the Slaughter of Animals Act, 1933, for three years from 1st January, 1939:-

Renewal of previous licences 38

During the year 392 routine inspections of Slaughterhouses were made and 32 inspections were made at special times, early morning, night and Sundays. Markets, Meat Shops and Premises used for the sale and storage of food were inspected on 486 occasions.

Thirteen informal notices were issued and the following contraventions were remedied:-

Cleansing of Premises and Utensils	3
Removal of Manure and Offal	1
Dilapidated plaster walls of slaughterhouse	1
Limewashing	5
Delivery of Meat in vehicles not provided with proper covers	1
Name not displayed on Market Stalls	5

PUBLIC HEALTH (MEAT) REGULATIONS, 1924.

Number of Notices of Slaughter received 481

Number of Animals slaughtered at the Slaughter-houses during the year:-

Beasts.	Sheep & Lambs.	Pigs.	Calves.
1,400	6,102	1,775	124.

The following is a Summary of Food condemned during 1939:-

Beef	3,780 lbs.
Pork	492 "
Mutton	18 "
Potatoes	2,240 "
Finnan Haddock (1 box)	20 "
English Rabbits (18)	45 "
Kippers (4 boxes)	40 "
English Rabbits (8)	22½ "
Imported Pears	40 "
Butter	£ 5 "
Total	6,702½ "

Applications for Registration of Premises under S.14 Food and Drugs Act, 1938.

The following applications have been received:-

1.	Preparation of Sausages and Cooked Meats	21
2.	Preparation of Cooked Meats	26
3.	Boiling of Shell Fish	1
4.	Pickling of Ox Tongues	1
5.	Preparation and packing of Pickles	1
6.	Manufacture and Sale of Ice Cream	24
7.	Sale of Ice Cream	19
	Total.	93

Note:- 12 of the Application Forms relating to the above are combined, i.e.:- Manufacture & Sale of Ice Cream, and 6
Preparation of Cooked Meats 6
thus giving a total of 81 premises in respect of which applications have been received.

WATERCOURSES.

Your Council, as in previous years, allocated the sum of £300 towards the cost of cleansing the main watercourses in the district, and this work was carried out by your Engineer and Surveyor.

In addition, notices were served on four occupiers of land abutting on to watercourses to cleanse the same.

PETROLEUM ACTS.

Number of Premises licensed for the storage of Petroleum and inflammable mixtures:-

	January, 1939	43
	December, 1939	43
do.	Carbide of Calcium	5
Total storage capacity for Petrol is		32,250 gals.
do.	Carbide	7 cwts.

All new underground tanks are tested at 5 lbs. air pressure before approval.

The total amount received from Petroleum and Carbide Licences during the year was £24.0.0.

INSPECTION OF CANAL BOATS.

Number of Boats inspected during 1939	37
" " conforming to the Acts & Regulations	30
" " infringing the Acts and Regulations	7
Details of Infringements:-	
Cabins requiring re-painting	4
Cabins not weatherproof	5
Certificate not produced	1
Total number for,which the cabins were registered	122
" " occupying the cabins	109
Details of occupants:-	
Male adults	42
Female adults	31
Children of school age	18
Children under school age	18

Of the above Boats one was inspected on three occasions during the year, and seven were inspected on two occasions.

RATS AND MICE (DESTRUCTION) ACT, 1919.

Number of inspections of premises	100
" Notices served under Section 5	Nil.
" cases in which the Local Authority have destroyed rats under Section 5.	Nil.
" prosecutions under the Acts	Nil.

The following is a summary of the premises treated for rats:-

Dwelling-houses	44
Factories	1
Premises where animals are kept	-
Shops	2
Miscellaneous	45
Total.	92

COMPLAINTS.

Number of Complaints received	404

Summary of Complaints.

Housing Defects	92
Defective and choked drainage	211
Prevalence of Rats	30
Miscellaneous	71

SANITARY INSPECTION OF THE AREA, 1939.

Particulars of Visits and Inspections are as follows:-

Number of Premises inspected on complaint of nuisance	404
Bakehouses	43
Canal Boats	35
Caravans	102
Conversions	47
Cowsheds	100
Dairies and Milkshops	67
Factories	135
Food Stores and Markets	486
Flooded Dwellings	15
Fried Fish Premises	3
Ice Cream	26
Housing Acts	1027
Housing applications	75
Infectious Disease	152
Military Billets	56
Offensive Trades	43
Offensive Accumulations	47
Overcrowding	18
Petrol Stores	24

Premises where animals are kept	21
Rats and Mice Destruction Act	70
Schools	25
Slaughterhouses (including Sunday & special visits)	424
Water-courses	49
Water supply	24
Workshops	7
Theatres and Music Halls	24
Provision of New Dustbins.	1240
Smoke Observations	90
Miscellaneous	255

Letters and Notices Issued, etc.

Number of Letters and Informal Notices.	1016
" Statutory Notices served	3
" Nuisances dealt with	1230

Sanitary Work Carried Out.

Interior of Houses.

Dirty houses improved and cleansed by tenants	37
Floors of houses re-laid or repaired	16
Verminous houses dealt with	33

Exterior of Houses.

Defective eaves and down-spouting repaired	11
Dangerous chimneys repaired	10
Defective Roofs repaired	12
New Airgrates provided	2

Yards and Outbuildings.

Yards and passages re-paved or repaired	15
Wash-house & dangerous out-buildings repaired or re-built	12
Offensive Accumulations removed from yards, etc.	20

Drainage.

Drains opened and cleansed from obstruction	107
Defective drains repaired	43
New drains provided	7
Glazed stoneware gullies provided to drains	7
New sink waste pipes provided, others repaired	7
Inspection chambers provided to drains	6
Overflowing cesspools cleansed and repaired	2
Inspection chambers repaired and provided with new air-tight covers	8
Glazed sinks provided	12

Water Closets.	
New water closets erected	1
Additional W.Cs. provided	29
Foul and obstructive W.Cs. cleansed	16
Water closets repaired	16
" " provided with new basins and traps	1
Defective water supply to W.Cs. remedied (burst water pipes, defective ball vales,etc)	4
Conversions.	
Conversion of Pail Closets to W.Cs.	1
Urinals, cleansed and repaired	2
Ashpits and Dustbins.	
Houses provided with new sanitary dustbins	622
Insanitary condition of dustbin cleansed by tenants	37
Fires in Sanitary Dust bins	130
Various.	
Nuisances from burning of refuse	3
Nuisances from improper keeping of animals	8
Accumulations of manure & refuse removed	19
Samples of water submitted to the County Analyst for Chemical examination	2
Houses provided with Town water supply in place of polluted wells	15
Cases of overcrowding dealt with	4
Water courses cleansed	4
Miscellaneous nuisances dealt with	242
Smoke observations	90
Smoke nuisances dealt with from factory chimneys	20

PUBLIC CLEANSING SERVICE.

The salvage of rags and non-ferrous metals for the year ending Marsh31st. 1940, amounted to £5£74. 17. 10; the sale of soil realised £9. 13. 6; the charges for tipping £11. 18. 0; and the sum obtained from the removal of trade refuse £175. 4. 7, making a total income of £271. 13. 11d.

The Cleansing Department also disposes of refuse free of cost from the Markets, Cemetery and other departments of the Council. No less than 880 loads from these sources were dealt with.

The average number of premises receiving a weekly collection was 8,501, and the total amount of refuse disposed of was 7,515 tons.

The net cost per house for removing house refuse for 52 weeks in the year was 6s 4d, a very cheap and efficient service, and the cost of disposal was 2s. 7d.

It was necessary to call the attention of 130 tenants to the practice of placing hot cinders in the dustbin, and to the danger of fire to the Council's vehicles and refuse tip.

It is also a duty devolving upon the tenant to maintain the dustbin in a reasonably clean condition. On 37 occasions the attention of occupiers was called to the offensive and insanitary condition of bins.

By arrangement with the Beeston and Stapleford U.D.C., your Council collects and disposes of the refuse from 15 houses adjoining the Urban District boundary at a cost of 12s.6d. per house per annum.

The Total Cost of Collection and Disposal of House and Trade Refuse (including Cesspools) for the Year ending 31st March, 1940.

	House and Trade Refuse. Collection	House and Trade Refuse. Disposal.	Nightsoil and Cesspools.	Total.
	£. s. d.	£. s. d.	£. s. d.	£. s. d.
Wages	2228. 16. 8.	894. 17. 5.	38.15. 3.	3162. 9. 4.
Transport	413. 14.10.	170. 0. 1.	7. 7. 3.	591. 2. 2.
Materials, Repairs, Depot Charges, etc.	97. 16. 4.	36. 12. 3.	7. 4.11.	141.13. 6.
Taxes & Insurances	77. 10. 2.	37. 15. 6.	1. 7. 7.	116.13. 3.
Superannuation	87. 9. 10.	35. 19. 0.	1.11. 2.	125. 0. 0.
Gross Expenditure	2905. 7.10.	1175. 4. 3.	56. 6. 2.	4136.18. 3.
+ Income	215. 0. 2.	72. 2.10.	-	287. 3. 0.
Total net cost.	2690. 7. 8.	1103. 1. 5.	56. 6. 2.	3849.15. 3.

+ Trade refuse removal and sale of salvage.

The total quantity of refuse collected (excluding Cesspools) for the year ending March 31st., 1940, was 7,515 tons.

The average yield:-

Per 1000 population per annum (365 days)	287 tons
" 1000 " " day	15.7 cwts.
" head per annum (365 days)	5.73 "
" house per annum (including business premises)	17.68 "
Estimated Population (Registrar General)	26,200

Area of District, 3,557 acres.
No. of houses and premises 8,501
Average No. of houses scavenged per ton, 64
Method of Disposal: Controlled tipping 100%
Average haul to point of disposal, $2\frac{1}{4}$ miles.

HOUSE AND TRADE REFUSE.

TABLE SHOWING COSTS FOR THE YEAR ENDED 31st MARCH 1940.

Item 1.	Particulars 2.	1. Collection. 3.		2. Disposal. 4.		3. Total. 5.	
	REVENUE ACCOUNT.	£.	s. d.	£.	s. d.	£.	s. d.
A	Gross Expenditure	2905.	7.10.	1175.	4. 3.	4080.	12. 1.
B	Gross Income	215.	0. 2.	72.	2.10.	287.	3. 0.
C	Net Cost	2690.	7. 8.	1103.	1. 5.	3793.	9. 1.
	UNIT COSTS.						
D	Gross Expenditure per ton		7. 8½		3.10		11. 6½.
E	Gross Income per ton		7. 7.		3.		10.
F	Net cost per ton		7. 1½.		3. 7.		10. 8½.
G	Net cost per 1000 population	102.	13. 5.	42.	2. 0.	144.	15. 5.
H	Net cost per head		2. 0½.		10.		2.10½.
I	Net cost per 1000 houses or premises from which refuse is collected	316.	5. 2.	129.	15. 0.	446.	0. 2.
J	Net cost per house		6. 4.		2. 7.		8.11.
	RATE POUNDAGE.						
K	Net cost, equivalent rate in the £		4.34		1.76		6.10
L	Percentage of J to total rates in the £		2.9%		1.2%		4.1%